

CONTENTS

Series Editor's Introduction	v
Preface to the Second Edition	vii
Acknowledgments	viii
1. Introduction	1
Definition	2
2. The Purposes of Longitudinal Research	3
Age, Period, and Cohort Effects	4
Causal Relationships	15
Serendipity and Intentionality in Longitudinal Data	23
3. Designs for Longitudinal Data Collection	24
Not-Quite-Longitudinal Designs	24
Total Population Designs	26
Repeated Cross-Sectional Designs	28
Revolving Panel Designs	30
Longitudinal Panel Designs	31
Other Variations	32
4. Issues in Longitudinal Research	33
Genesis Versus Prediction	34
Changes in Measurement Over Time	35
Panel Attrition	38
Treatment of Missing Data in Longitudinal Research	41
Repeated Measurement and Panel Conditioning	42
Respondent Recall	44
The Costs of Longitudinal Research	48
5. Longitudinal Analysis	50
Longitudinal Versus Cross-Sectional Statistical Models	52
Types of Longitudinal Causal Models	55
Measuring Change	57
Deterministic Versus Probabilistic Models	62

Pooling Cross-Sectional and Time Series Data	64
Time Series Analysis	67
Methods for Short Time Series With Many Cases	70
Methods for Long Time Series With Many Cases	76
Conclusion: Longitudinal Versus Cross-Sectional Data and Analysis	78
Notes	81
References	83
About the Author	93